| Ref<br># | Hits | Search Query  | DBs                                  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|--------------------------------------|---------------------|---------|------------------|
| S1       | 80   | ("overbased alkaline earth metal sulfonate") and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR         | AND                 | ON      | 2006/08/04 08:49 |
| S2       | 1996 | (friction adj modifier) and<br>@ad<"20031209"                   | US-PGPUB;<br>USPAT;<br>USOCR         | AND                 | ON      | 2006/08/02 10:21 |
| S3       | 20   | S1 and S2   | US-PGPUB;<br>USPAT;<br>USOCR         | AND                 | ON      | 2006/08/02 10:28 |
| S4       | 20   | S1 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:29 |
| S5       | 596  | "overbased calcium sulfonate"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:29 |
| S6       | 173  | S5 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:31 |
| S7       | 116  | S6 and (succinic adj anhydride)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 11:03 |
| S8       | 9    | S6 and (succinic adj anhydride) and (particle adj size)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:33 |
| S9       | 1    | S6 and thiodiglycol   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:41 |
| S10      | 5    | S6 and (calcium adj carboxylate)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:45 |
| S12      | 2    | S6 and (earth adj metal adj carboxylate)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 10:45 |
| S13      | 14   | S6 and triethanolamine  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND                 | ON      | 2006/08/02 11:14 |

|     |     | <u> </u>  |                                      |     |    |                  |
|-----|-----|---|--------------------------------------|-----|----|------------------|
| S14 | 34  | S5 and triethanolamine  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:14 |
| S15 | 28  | S5 and (triethanolamine near "fatty acid" or "fatty ester")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:15 |
| S16 | 24  | S5 and (triethanolamine near "fatty acid" or "fatty ester") and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:16 |
| S17 | . 0 | S5 and (triethanolamine near ("fatty acid" or "fatty ester")) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:16 |
| S18 | 0   | S5 and (alkanolamine near ("fatty acid" or "fatty ester")) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:16 |
| S19 | 0   | S5 and (dialkylene near ("fatty acid" or "fatty ester")) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:16 |
| S20 | 0   | S5 and ((calcium adj carboxylate) and (barium adj carboxylate)) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:17 |
| S21 | 11  | S5 and ((calcium adj carboxylate) or (barium adj carboxylate)) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:25 |
| S22 | 140 | S5 and ((oleic adj acid) or (ricinoleic adj acid) or (isostearic adj acid) or (erucic adj acid) or (isooleic adj acid) or (methyl adj oleate) or ("tall oil fatty acid") or ("oleic acid/stearic acid")) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:09 |
| S23 | 1   | S22 nd S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:27 |
| S24 | 50  | S22 and S2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:39 |

| S25 | 0     | "diethylene glycol with methyl oleate"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:39 |
|-----|-------|--|--------------------------------------|-----|----|------------------|
| S26 | 1     | (diethylene adj glycol) near (methyl adj oleate) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:40 |
| S27 | 1     | thiodiglycol near (methyl adj oleate)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:41 |
| S28 | 11803 | bis(2-hydroxyethyl)sulfide                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:44 |
| S29 | 187   | S28 and (methyl adj oleate) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:41 |
| S30 | 0     | "bis(2-hydroxyethyl)sulfide"                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:42 |
| S31 | 38583 | Bis(2-hydroxyethyl)ether                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:43 |
| S33 | 443   | (Bis adj (2-hydroxyethyl) adj ether)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:44 |
| S34 | 76    | bis adj (2-hydroxyethyl) adj sulfide             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 16:58 |
| S35 | 0     | S34 and (methyl adj oleate)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:44 |
| S36 | 2     | S33 and (methyl adj oleate)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 15:04 |
| S37 | 1     | methyl adj cis-9-octadecanoate                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:46 |

|     | _     |   |                                      |     |    |                  |
|-----|-------|---|--------------------------------------|-----|----|------------------|
| S38 | 1591  | (tris adj (2-hydroxyethyl) adj amine)<br>or (tri adj (hydroxyethyl) adj amine) or<br>nitrilotrisethanol   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:47 |
| S39 | 1227  | S38 and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:47 |
| S40 | 8     | S39 and S22   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:50 |
| S41 | 85    | (barium adj carboxylate) and<br>@ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:14 |
| S42 | 0     | S41 and S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:51 |
| S43 | 0     | S41 and S1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:52 |
| S44 | 79    | S5 and (particle adj size)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:52 |
| S45 | 59    | S5 and (particle adj size) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 11:52 |
| S46 | 50993 | ((oleic adj acid) or (ricinoleic adj acid) or (isostearic adj acid) or (erucic adj acid) or (isooleic adj acid) or (methyl adj oleate) or ("tall oil fatty acid") or ("oleic acid/stearic acid")) and @ad<"20031209"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:11 |
| S47 | 220   | S39 and S46   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:11 |
| S48 | 100   | triethanolamine near ((oleic adj acid) or (ricinoleic adj acid) or (isostearic adj acid) or (erucic adj acid) or (isooleic adj acid) or (methyl adj oleate) or ("tall oil fatty acid") or ("oleic acid/stearic acid")) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/03 11:01 |

| S49 | 2    | triethanolamine near ((oleic adj acid) or (ricinoleic adj acid) or (isostearic adj acid) or (erucic adj acid) or (isooleic adj acid) or (methyl adj oleate) or ("tall oil fatty acid") or ("oleic acid/stearic acid")) and @ad<"20031209" and S2 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:13 |
|-----|------|--|--------------------------------------|-----|----|------------------|
| S50 | 439  | (earth adj metal adj carboxylate) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:14 |
| S51 | 12   | S50 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:19 |
| S52 | 1    | (typical adj friction adj modifiers) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 12:21 |
| S53 | 176  | (friction adj modifiers adj include) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 14:38 |
| S54 | 2418 | (triethanolamine adj oleate)   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/02 12:32 |
| S55 | 1700 | (triethanolamine adj oleate) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/02 12:34 |
| S56 | 87   | S55 and friction   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/02 12:34 |
| S57 | 0    | S55 and S5   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/02 12:34 |
| S58 | 5    | (triethanolamine adj isostearate) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/02 12:34 |
| S59 | 0    | ((friction adj modifiers adj include)<br>near oleate) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 14:38 |
| S60 | 14   | ((friction adj modifiers adj include) with \$oleate) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 14:40 |

| S61 | 0     | ((friction adj modifiers adj include)<br>with triethanol\$) and<br>@ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:40 |
|-----|-------|---|--------------------------------------|-----|-----|------------------|
| S62 | 0     | ((friction adj modifiers adj include) with trieth\$) and @ad<"20031209"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:40 |
| S63 | 0     | ((friction adj modifier) with triethanol\$) and @ad<"20031209"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:41 |
| S64 | 88    | ((friction adj modifier) with \$oleate) and @ad<"20031209"                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:46 |
| S65 | 0     | ("reaction product of triethanolamine")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:47 |
| S66 | 51155 | triethanolamine and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:47 |
| S67 | 65412 | "oleic acid"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 14:48 |
| S68 | 1996  | (friction adj modifier) and<br>@ad<"20031209"                                     | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/02 14:48 |
| S69 | 107   | S66 and S68   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 15:03 |
| S70 | 1     | ("4105571").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/02 15:03 |
| S71 | 1     | ("3933659").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/02 15:16 |
| S72 | 1     | ("4176074").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/02 15:31 |
| S73 | 2     | ("3324033").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/02 15:32 |

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|-------|-------|---|---|-----|----|------------------|
| S74   | 2     | EP-389327-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/08/02 15:35 |
| S75   | 14    | (triethanolammonium adj oleate)                             | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:37 |
| S76   | 0     | (triethanolammonium adj isostearate)                        | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:37 |
| S77   | 92622 | (diethylene adj glycol)                                     | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:45 |
| S78   | 1     | (friction adj modifiers adj include) near (oleic or oleate) | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:39 |
| S79   | 256   | S68 and (tall adj oil)                                      | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:40 |
| S80   | 58    | S79 and alkanolamine  | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:43 |
| S81 . | 51    | S79 and triethanolamine                                     | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:46 |
| S82   | 34    | S77 and S81 and @ad<"20031209"                              | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:45 |
| S83   | 68098 | (S77 or S81) and @ad<"20031209"                             | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:45 |
| S84   | 38583 | Bis(2-hydroxyethyl)ether                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO                              | AND | ON | 2006/08/02 15:45 |
| S85   | 88258 | (S77 or S84) and @ad<"20031209"                             | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:46 |
| S86   | 641   | S85 and (methyl adj oleate)                                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:46 |
| S87   | 113   | S86 and S68   | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | ON | 2006/08/02 15:47 |

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|----------|-------|--|--------------------------------------|-----|-----|------------------|
| S88      | 443   | (Bis adj (2-hydroxyethyl) adj ether)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 15:47 |
| S89      | 68234 | (S77 or S88) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/02 15:48 |
| S90      | 497   | S89 and S68  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/02 15:48 |
| S91      | 102   | S90 and (methyl adj oleate)  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/02 15:53 |
| S92      | 5     | (amorphous adj overbased adj calcium adj sulfonate) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 16:30 |
| S93      | 1     | ("6 <del>444</del> 625").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/02 16:01 |
| S94      | 596   | "overbased calcium sulfonate"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 16:02 |
| S95      | 20    | S94 and (nm or angstrom\$1) and @ad<"20031209"                         | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/02 16:02 |
| S96      | 59    | amorphous and S94 and<br>@ad<"20031209"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 16:14 |
| S97      | 6     | amorphous and S94 and (nm or angstrom\$1) @ad<"20031209"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 16:17 |
| S98      | 2     | ("3492231").PN.  | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/02 16:15 |
| S99      | 14    | S94 and calcite and size and @ad<"20031209"                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/02 16:22 |
| S10<br>0 | 1     | EP-405879-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/03 13:56 |

|          |      |  | -                                    |     |    |                  |
|----------|------|--|--------------------------------------|-----|----|------------------|
| S10<br>1 | 2    | (crystalline adj overbased adj calcium adj sulfonate) and @ad<"20031209"                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 16:30 |
| S10<br>2 | 76   | bis adj (2-hydroxyethyl) adj sulfide   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 16:58 |
| S10<br>3 | 1    | S102 and (friction adj modifier)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON | 2006/08/02 17:07 |
| S10<br>4 | 352  | (lubricant adj composition) and vessel and stor\$3 and @ad<"20031209"                              | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 08:46 |
| S10<br>5 | 96   | (lubricant adj composition) and vessel and stor\$3 and @ad<"20031209" and overbased                | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 08:48 |
| S10<br>6 | 10   | (lubricant adj composition) and (vessel near stor\$3) and @ad<"20031209" and overbased             | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 08:51 |
| S10<br>7 |      | (lubricant) and (vessel near stor\$3) and @ad<"20031209" and overbased                             | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 08:52 |
| S10<br>8 | 1066 | (lubricant near stor\$3)<br>@ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 08:52 |
| S10<br>9 | 70   | (lubricant near stor\$3) and vessel<br>@ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 08:52 |
| S11<br>0 | 214  | (polyisobutylene adj succinic adj<br>anhydride) and (friction adj modifier)<br>and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 09:43 |
| S11<br>1 | 11   | (polyisobutylene adj succinic adj<br>anhydride) with (friction adj modifier)<br>and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 10:20 |
| S11<br>2 | 11   | (polyisobutylene adj succinic adj<br>anhydride) with (copper) and<br>@ad<"20031209"                | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 09:48 |
| S11<br>3 | 11   | PIBSA with (friction adj modifier) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/04 10:46 |
| S11<br>4 | 81   | PIBSA with copper and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 09:51 |
| S11<br>5 | 50   | PIBSA with copper and (overbased adj calcium) @ad<"20031209"                                       | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON | 2006/08/03 09:57 |

|          |         |  | _                            | 1   |    |                  |
|----------|---------|--|------------------------------|-----|----|------------------|
| S11<br>6 | 0       | 2,2',2-Nitrilotriethanol Triethylolamine Trolamine Nitrilo-2,2',2"-Triethanol Daltogen Trihydroxytriethylamine Tris(hydroxyethyl)amine Sodium ISA 2,2',2"-nitrilotriethanol sterolamide (thiofaco adjt-35) 2,2', 2"-trihydroxytriethylamine and tris(2-hydroxyethyl)amine T-35 Nitrilotris(ethanol) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/03 09:59 |
| S11<br>7 | 1246521 | Triethylolamine Trolamine Nitrilo-2,2', 2"-Triethanol Daltogen Trihydroxytriethylamine Tris(hydroxyethyl)amine Sodium ISA 2,2',2"-nitrilotriethanol sterolamide (thiofaco adjt-35) 2,2', 2"-trihydroxytriethylamine and tris(2-hydroxyethyl)amine T-35 Nitrilotris(ethanol) and @ad<"20031209"                         | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON | 2006/08/03 09:59 |
| S12<br>0 | 3232    | Triethylolamine Trolamine Daltogen Trihydroxytriethylamine (Tris adj (hydroxyethyl) adj amine) (Sodium adj ISA) (thiofaco adj t-35) (tris adj (2-hydroxyethyl) adj amine) T-35 (Nitrilotris adj (ethanol)) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON | 2006/08/03 10:01 |
| S12<br>1 | 0       | Triethylolamine Trolamine Daltogen Trihydroxytriethylamine (Tris adj (hydroxyethyl) adj amine) (Sodium adj ISA) (thiofaco adj t-35) (tris adj (2-hydroxyethyl) adj amine)(Nitrilotris adj (ethanol)) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/03 10:02 |
| S12<br>2 | 2470    | Triethylolamine Trolamine Daltogen<br>Trihydroxytriethylamine (Tris adj<br>(hydroxyethyl) adj amine) (Sodium adj<br>ISA) (thiofaco adj t-35) (tris adj<br>(2-hydroxyethyl) adj amine)(Nitrilotris<br>adj (ethanol)) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON | 2006/08/03 10:02 |
| S12<br>3 | 0       | (Triethylolamine Trolamine Daltogen<br>Trihydroxytriethylamine (Tris adj<br>(hydroxyethyl) adj amine) (Sodium adj<br>ISA) (thiofaco adj t-35) (tris adj<br>(2-hydroxyethyl) adj amine)(Nitrilotris<br>adj (ethanol))) near (oleic adj acid)<br>and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON | 2006/08/03 10:02 |

| S12<br>4 | 101   | (Triethylolamine Trolamine Daltogen<br>Trihydroxytriethylamine (Tris adj<br>(hydroxyethyl) adj amine) (Sodium adj<br>ISA) (thiofaco adj t-35) (tris adj<br>(2-hydroxyethyl) adj amine)(Nitrilotris<br>adj (ethanol))) with (oleic adj acid)<br>and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | ON  | 2006/08/03 10:04 |
|----------|-------|---|--------------------------------------|-----|-----|------------------|
| S12<br>5 |       | (Triethylolamine Trolamine Daltogen Trihydroxytriethylamine (Tris adj (hydroxyethyl) adj amine) (Sodium adj ISA) (thiofaco adj t-35) (tris adj (2-hydroxyethyl) adj amine)(Nitrilotris adj (ethanol))) with (isostearic adj acid) and @ad<"20031209"              | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | ON  | 2006/08/03 10:04 |
| S12<br>6 | 0     | (Triethylolamine Trolamine Daltogen<br>Trihydroxytriethylamine (Tris adj<br>(hydroxyethyl) adj amine) (Sodium adj<br>ISA) (thiofaco adj t-35) (tris adj<br>(2-hydroxyethyl) adj amine)(Nitrilotris<br>adj (ethanol))) with friction and<br>@ad<"20031209"         | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | ON  | 2006/08/03 10:04 |
| S12<br>7 | 81    | (Triethylolamine Trolamine Daltogen<br>Trihydroxytriethylamine (Tris adj<br>(hydroxyethyl) adj amine) (Sodium adj<br>ISA) (thiofaco adj t-35) (tris adj<br>(2-hydroxyethyl) adj amine)(Nitrilotris<br>adj (ethanol))) and friction and<br>@ad<"20031209"          | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | ON  | 2006/08/03 10:19 |
| S12<br>8 | 1     | ("4792410").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/03 10:19 |
| S12<br>9 | 20    | (polyisobutenyl adj succinic adj<br>anhydride) with (friction adj modifier)<br>and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 10:21 |
| S13<br>0 | 1     | ("4176074").PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/03 10:21 |
| S13<br>1 | 51004 | ((oleic adj acid) or (ricinoleic adj acid) or (isostearic adj acid) or (erucic adj acid) or (isooleic adj acid) or (methyl adj oleate) or ("tall oil fatty acid") or ("oleic acid/stearic acid")) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/03 11:01 |
| S13<br>2 | 522   | S122 and S131   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 11:02 |
| S13<br>3 | 16    | S122 and S131 and (friction adj<br>modifier)  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 11:04 |

| S13<br>4 | 5    | (methyl adj oleate) with (friction adj modifier)   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 11:04 |
|----------|------|--|--------------------------------------|-----|-----|------------------|
| S13<br>5 | 0    | ("EP-306909-\$.did.").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | OR  | OFF | 2006/08/03 13:51 |
| S13<br>6 | 3    | ("5283276").URPN.  | USPAT                                | AND | ON  | 2006/08/03 13:53 |
| S13<br>7 | 16   | haziness and (overbased adj calcium) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/03 14:01 |
| S13<br>8 | 87   | haze and (overbased adj calcium) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/03 14:01 |
| S13<br>9 | 4    | haze and muir.in. and (overbased adj calcium) and @ad<"20031209"                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | ON  | 2006/08/03 14:02 |
| S14<br>0 | 8    | ("3830739"   "4387033"   "4541938"  <br>"4604219"   "4780224"   "4810396"  <br>"4822502").PN.          | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 15:48 |
| S14<br>1 | 97   | (overbased adj calcium adj sulfonate) and diameter and @ad<"20031209"                                  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 16:32 |
| S14<br>2 | 0    | (overbased adj calcium adj sulfonate)<br>near diameter and @ad<"20031209"                              | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 15:49 |
| S14<br>3 | 2    | (overbased adj calcium adj sulfonate) with diameter and @ad<"20031209"                                 | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 15:49 |
| S14<br>4 | 1    | (crystalline adj overbased adj calcium<br>adj sulfonate) and (particle adj size)<br>and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 16:39 |
| S14<br>5 | 9    | calcite and (friction adj modifier) and lubricant and @ad<"20031209"                                   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 16:42 |
| S14<br>6 | 3013 | calcite and (particle adj size)  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 16:42 |
| S14<br>7 | 75   | calcite and (particle adj size) and @ad<"20031209" and overbased                                       | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/03 16:42 |
| S14<br>8 | 0    | ("3194761342981140575044123369").<br>PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/04 08:50 |

|          |      |  | 1                            |     |       |                  |
|----------|------|--|------------------------------|-----|-------|------------------|
| S14<br>9 | 6    | (("3194761") or ("3429811") or<br>("4057504") or ("4123369")).PN.                                | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF . | 2006/08/04 08:50 |
| S15<br>0 | . 2  | ("2951041").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF   | 2006/08/04 09:38 |
| S15<br>1 | 0    | ("63000291").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF   | 2006/08/04 09:38 |
| S15<br>2 | . 1  | ("6300291").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF   | 2006/08/04 10:20 |
| S15<br>3 | 0    | ("(bariumadjcarboxylate)").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF   | 2006/08/04 14:20 |
| S15<br>4 | 115  | ("oleic acid methyl ester") and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 10:47 |
| S15<br>5 | 1    | ("oleic acid methyl ester") and thiodiglycol and @ad<"20031209"                                  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 10:57 |
| S15<br>6 | 4366 | transesterification and (diethylene adj<br>glycol) and @ad<"20031209"                            | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 10:58 |
| S15<br>7 | 445  | transesterification and oleate and (diethylene adj glycol) and @ad<"20031209"                    | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:01 |
| S15<br>8 | 58   | transesterification and (methyl adj<br>oleate) and (diethylene adj glycol) and<br>@ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:05 |
| S15<br>9 | 25   | (diethylene adj glycol adj oleate) and<br>@ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:15 |
| S16<br>0 | 0    | (thiodiglycol adj oleate) and<br>@ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:09 |
| S16<br>1 | 0    | ("reaction product of a diethylene glycol") and @ad<"20031209"                                   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:09 |
| S16<br>2 | 422  | (friction adj modifier) and (polyol adj<br>ester) and @ad<"20031209"                             | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:10 |
| S16<br>3 | 328  | (friction adj modifier) and (polyol adj<br>ester) and glycol and<br>@ad<"20031209"               | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON    | 2006/08/04 11:23 |

|          |     |   | -   |     |     |                  |
|----------|-----|---|---|-----|-----|------------------|
| S16<br>4 | 18  | (friction adj modifier) with (polyol adj<br>ester)and @ad<"20031209"                                | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:10 |
| S16<br>5 | 18  | (friction adj modifier) with (polyol adj ester) and @ad<"20031209"                                  | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:11 |
| S16<br>6 | 154 | (diethylene adj glycol adj \$oleate) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:21 |
| S16<br>7 | 2   | (diethylene adj glycol adj \$oleate) and (friction adj modifier)<br>@ad<"20031209"                  | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:33 |
| S16<br>8 | 1   | ("3933659").PN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR  | OFF | 2006/08/04 11:17 |
| S16<br>9 | 0   | (thiodiethylene adj glycol adj \$oleate)<br>and (friction adj modifier)<br>@ad<"20031209"           | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:21 |
| S17<br>0 | 0   | (thiodiethylene adj glycol adj \$oleate)<br>@ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:21 |
| S17<br>1 | 0   | (thiodiglycol adj \$oleate)<br>@ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:21 |
| S17<br>2 | 156 | (diethylene adj glycol adj \$oleate) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON  | 2006/08/04 11:22 |
| S17<br>3 | 215 | (friction adj modifier) and (polyol adj<br>ester) and diethylene and<br>@ad<"20031209"              | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:27 |
| S17<br>4 | 165 | (friction adj modifier) and (polyol adj<br>ester) and (diethylene adj glycol) and<br>@ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:30 |
| S17<br>5 | 239 | (friction adj modifier) and (oleic adj<br>acid) and (diethylene adj glycol) and<br>@ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:30 |
| S17<br>6 | 56  | S174 and S175   | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:30 |
| S17<br>7 | 5   | (ethylene adj glycol adj \$oleate) and (friction adj modifier)<br>@ad<"20031209"                    | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:50 |
| S17<br>8 | 89  | (\$6ethylene adj glycol adj \$oleate)<br>and (friction adj modifier)<br>@ad<"20031209"              | US-PGPUB;<br>USPAT;<br>USOCR              | AND | ON  | 2006/08/04 11:55 |

| S17<br>9 | 0    | (\$6ethylene adj glycol adj \$oleate)<br>with (friction adj modifier)<br>@ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 12:32 |
|----------|------|---|------------------------------|-----|-----|------------------|
| S18<br>0 | 26   | thiodiglycol and (friction adj modifier) and @ad<"20031209"                             | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:02 |
| S18<br>1 | 4839 | thiodiglycol  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:02 |
| S18<br>2 | 76   | (Bis adj (2-Hydroxyethyl) adj Sulfide)  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:03 |
| S18<br>3 | 16   | (Bis adj (Beta-Hydroxyethyl) adj<br>Sulfide)  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:03 |
| S18<br>4 | 1723 | Thiodiethylene adj Glycol   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:03 |
| S18<br>5 | 51   | (S181 or S182 or S183 or S184) and<br>(methyl adj oleate) and<br>@ad<"20031209"         | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:04 |
| S18<br>6 | 27   | S185 and friction   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:04 |
| S18<br>7 | 0    | ("(bariumadjcarboxylate)").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | OFF | 2006/08/04 14:20 |
| S18<br>8 | 133  | barium adj carboxylate  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:21 |
| S18<br>9 | 84   | (barium adj carboxylate) and<br>@ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:25 |
| S19<br>0 | 1    | "4036810".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:25 |
| S19<br>1 | 23   | (barium adj salicylate) and<br>@ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:34 |
| S19<br>2 | 3    | (barium adj salicylate) and friction and<br>@ad<"20031209"                              | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:34 |
| S19<br>3 | 695  | (friction adj reducer) and<br>@ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON  | 2006/08/04 14:35 |

| S19<br>4 | 3    | (friction adj reducer) with barium and @ad<"20031209"                      | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:36 |
|----------|------|--|--------------------------------------|-----|-----|------------------|
| S19<br>5 | 19   | (friction adj improver) and<br>@ad<"20031209"                              | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:36 |
| S19<br>6 | 532  | (friction adj reducing adj agent) and @ad<"20031209"                       | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:36 |
| S19<br>7 | 0    | (friction adj reducing adj agent) with barium and @ad<"20031209"           | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:36 |
| S19<br>8 | 1    | (S193 or S196) and (barium adj<br>(carboxylate or salicylate or \$oleate)) | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:52 |
| S19<br>9 | 3082 | (S181 or S182 or S183 or S184) and (fatty adj acid)                        | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:53 |
| S20<br>0 | 2984 | S199 and ester   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:53 |
| S20<br>1 | 1996 | (friction adj modifier) and<br>@ad<"20031209"                              | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 14:53 |
| S20<br>2 | 67   | S200 and (S193 or S196 or S195 or S201)                                    | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 15:19 |
| S20<br>3 | 12   | S200 and (S193 or S196 or S195 or S201) and "565"                          | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 15:19 |
| S20<br>4 | 0    | EP-565487-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | OFF | 2006/08/04 15:22 |
| S20<br>5 | 0    | EP-0565487-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | OFF | 2006/08/04 15:21 |
| S20<br>6 | 2    | ("0565487").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | OR  | OFF | 2006/08/04 15:21 |
| S20<br>7 | 2    | ("0565487").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | OR  | OFF | 2006/08/04 15:21 |

| S20<br>8  | 1026 | sulfurized and (S193 or S195 or S196 or S201) and @ad<"20031209"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | OFF | 2006/08/04 15:23 |
|-----------|------|--|--------------------------------------|-----|-----|------------------|
| \$20<br>9 | 40   | sulfurized with ((friction adj modifier) or (friction adj improv\$3) adj (friction adj reduc\$3)) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO | AND | OFF | 2006/08/04 15:25 |
| S21<br>0  | 3    | (("4191659") or ("3356702")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/04 15:27 |
| S21<br>1  | 1960 | thioglycol   | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 15:27 |
| S21<br>2  | 25   | thioglycol and (S193 or S195 or S196 or S201)  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 15:31 |
| S21<br>3  | 9    | "3198737"  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/04 15:31 |
| S21<br>4  | 5    | ("3198737").URPN.  | USPAT                                | AND | ON  | 2006/08/04 16:10 |
| S21<br>5  | 0    | "preparation of diethylene glycol<br>dioleate"   | USPAT                                | AND | ON  | 2006/08/04 16:55 |
| S21<br>6  | 45   | (diethylene adj glycol adj monooleate)   | USPAT                                | AND | ON  | 2006/08/04 16:55 |
| S21<br>7  | 5    | ("3198737").URPN.  | USPAT                                | AND | ON  | 2006/08/04 17:16 |
| S21<br>8  | 1    | ("4335004").PN.  | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/07 08:29 |
| S21<br>9  | 5    | ("3198737").URPN.  | USPAT                                | AND | ON  | 2006/08/07 08:58 |
| S22<br>0  | 2    | ("3112268").PN.  | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/07 09:03 |
| S22<br>1  | 10   | (("2540570") or ("2585862") or<br>("2603604") or ("2614982") or<br>("3189547")).PN.                                  | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/07 09:04 |
| S22<br>2  | 2    | ("2454568").PN.  | US-PGPUB;<br>USPAT;<br>USOCR         | OR  | OFF | 2006/08/07 10:21 |
| S22<br>3  | 132  | 508/306.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR         | AND | ON  | 2006/08/07 10:26 |

| S22<br>4 | 58  | S223 and @ad<"20031209"                                | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/07 10:22 |
|----------|-----|--|------------------------------|-----|----|------------------|
| S22<br>5 | 27  | 508/193.ccls. and @ad<"20031209"                       | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/07 10:26 |
| S22<br>6 | 538 | lubricant and (storage adj vessel) and @ad<"20031209"  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/07 12:09 |
| S22<br>7 | 8   | lubricant near (storage adj vessel) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/07 12:10 |
| S22<br>8 | 18  | lubricant with (storage adj vessel) and @ad<"20031209" | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/08/07 12:20 |

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